

## ABSTRACT

An improved cathode material for nonaqueous electrolyte lithium electrochemical cell is described. The preferred active material is  $\epsilon$ -phase silver vanadium oxide ( $\text{Ag}_2\text{V}_4\text{O}_{11}$ ) coated with a protective layer of a metal oxide, preferably  $\gamma$ -phase SVO ( $\text{Ag}_{1.2}\text{V}_3\text{O}_{1.8}$ ). The SVO core provides high capacity and rate capability while the protective coating reduces reactivity of the active particles with electrolyte to improve the long-term stability of the cathode.